

5 We claim:

1. A method of increasing the number of one or more type(s) of hematopoietic progenitor cells in a mammal in need thereof comprising administering a therapeutically effective amount of a resistin polypeptide.

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2. The method of claim 1 wherein the type of hematopoietic progenitor cells is selected from the group consisting of CFU-GEMM or BFU-E.

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3. The method of claim 1 wherein the one or more types of hematopoietic progenitor cells includes CFU-GEMM.

4. A method of increasing hematocrit in a mammal in need thereof comprising administering a therapeutically effective amount of a resistin polypeptide.

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5. A method for treating or preventing a hematopoietic disorder in a mammal comprising the administration to said mammal in need of such treatment a pharmaceutical composition comprising a therapeutically effective amount of a resistin polypeptide.

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6. A method of treating or preventing anemia, thrombocytopenia and/or neutropenia in a mammal comprising the administration to said mammal in need of such treatment a pharmaceutical composition comprising a therapeutically effective amount of a resistin polypeptide.

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7. A method of treating or preventing leukemia or lymphomas in a mammal comprising the administration to said mammal in need of such treatment a pharmaceutical composition comprising a therapeutically effective amount of a resistin polypeptide.

5           8. A method of treating a solid tumor of non-hematopoietic origin in a mammal comprising the administration to said mammal in need of such treatment a pharmaceutical composition comprising a therapeutically effective amount of a resistin polypeptide.

10           9. A method of treating an autoimmune condition in a mammal comprising the administration to said mammal in need of such treatment a pharmaceutical composition comprising a therapeutically effective amount of a resistin polypeptide.

15           10. The method of any one of claims 1-9 further comprising administering a therapeutically effective amount of at least one hematopoietic cytokine in addition to the resistin polypeptide.

          11. The method of any one of claims 1-10 wherein said resistin polypeptide is selected from the group consisting of:

- 20           a) a polypeptide comprising residues 1-108 of SEQ ID NO: 2;  
          b) a polypeptide comprising residues from about 18-108 of SEQ ID NO: 2;  
          c) a polypeptide comprising residues 1-108 of SEQ ID NO: 2 with 1, 2, 3, 4 or 5 amino acid substitutions, insertions or deletions and which retains substantially similar activity to the polypeptide comprising residues 1-108 of SEQ ID NO:2; and  
25           d) a polypeptide comprising residues from about 18-108 of SEQ ID NO: 2 with 1, 2, 3, 4 or 5 amino acid substitutions, insertions or deletions and which retains substantially similar activity to the polypeptide comprising residues 1-108 of SEQ ID NO:2.

30           12. A pharmaceutical composition comprising a hematopoietic progenitor cell stimulating amount of a resistin polypeptide and a pharmaceutically acceptable carrier, diluent or excipient.

          13. A pharmaceutical composition comprising a CFU-GEMM stimulating amount of a resistin polypeptide and a pharmaceutically acceptable carrier, diluent or excipient.

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14. The pharmaceutical composition as in claims 12 or 13 further comprising at least one hematopoietic cytokine in addition to the resistin polypeptide.

10 15. The pharmaceutical composition of any one of claims 12-14 wherein said resistin polypeptide is selected from the group consisting of:

- a) a polypeptide comprising residues 1-108 of SEQ ID NO: 2;
- b) a polypeptide comprising residues from about 18-108 of SEQ ID NO: 2;
- c) a polypeptide comprising residues 1-108 of SEQ ID NO: 2 with 1, 2, 3, 4 or 5 amino acid substitutions, insertions or deletions and which retains substantially similar  
15 activity to the polypeptide comprising residues 1-108 of SEQ ID NO:2; and
- d) a polypeptide comprising residues from about 18-108 of SEQ ID NO: 2 with 1, 2, 3, 4 or 5 amino acid substitutions, insertions or deletions and which retains substantially similar activity to the polypeptide comprising residues 1-108 of SEQ ID NO:2.